

WHAT IS CLAIMED IS:

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1. An image data input/output apparatus,  
comprising:

a scanner;

a printer;

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a storage unit that stores one or more  
items of image data;

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a check sheet forming unit that forms a  
check sheet by compositing thumbnails corresponding  
to the items of image data stored in said storage  
unit and causes said printer to print the check  
sheet;

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a selected image recognition unit that  
causes said scanner to scan the check sheet printed  
by said printer, and recognizes the thumbnails  
selected by checking the thumbnails composited in the  
scanned check sheet; and

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a selected image output unit that retrieves  
the items of image data corresponding to the  
thumbnails selected by checking, and outputs the  
retrieved items of image data.

2. The image data input/output apparatus as  
claimed in claim 1, further comprising an encoding  
unit that encodes for compressing the items of image  
5 data in compliance with JPEG 2000 algorithm, and  
stores the encoded items of image data in said  
storage unit.

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3. The image data input/output apparatus as  
claimed in claim 1, wherein said selected image  
output unit outputs the retrieved items of image data  
15 to said printer.

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4. The image data input/output apparatus as  
claimed in claim 3, wherein  
said check sheet forming unit forms the  
check sheet in which a printing condition can be  
designated;

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said selected image recognition unit

recognizes the designated printing condition; and  
said selected image output unit designates  
the printing condition to said printer.

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5. The image data input/output apparatus as  
claimed in claim 1, wherein said selected image  
10 output unit outputs the retrieved items of image data  
to a facsimile apparatus connected to the image data  
input/output apparatus via a communication interface  
and a channel.

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6. The image data input/output apparatus as  
claimed in claim 5, wherein  
20 said check sheet forming unit forms the  
check sheet in which address information of said  
facsimile apparatus can be designated;  
said selected image recognition unit  
recognizes the designated address information; and  
25 said selected image output unit makes a

call based on the recognized address information to  
said facsimile apparatus.

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7. The image data input/output apparatus as  
claimed in claim 1, wherein said selected image  
output unit outputs the retrieved items of image data  
10 to a terminal connected to the image data  
input/output apparatus via a communication interface  
and a network.

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8. The image data input/output apparatus as  
claimed in claim 7, wherein

said check sheet forming unit forms the  
20 check sheet in which address information of said  
terminal can be designated;

said selected image recognition unit  
recognizes the designated address information; and

said selected image output unit makes a  
25 call based on the recognized address information to

said terminal.

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9. A method of outputting an item of image data, comprising the steps of:

forming a check sheet by compositing  
thumbnails corresponding to a plurality of the items  
10 of image data;

printing the formed check sheet;

scanning the printed check sheet;

recognizing the thumbnail that is selected  
by checking;

15 retrieving the item of image data  
corresponding to the selected thumbnail; and

outputting the retrieved item of image data.

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10. A computer program that causes a  
computer having a scanner, a printer, and a storage  
unit that stores one or more items of image data, to  
25 function as:

a check sheet forming unit that forms a  
check sheet by compositing thumbnails corresponding  
to the items of image data stored in said storage  
unit and causes said printer to print the check  
5 sheet;

a selected image recognition unit that  
causes said scanner to scan the check sheet printed  
by said printer, and recognizes the thumbnails  
selected by checking the thumbnails composited in the  
10 scanned check sheet; and

a selected image output unit that retrieves  
the items of image data corresponding to the  
thumbnails selected by checking, and outputs the  
retrieved items of image data.  
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11. A computer readable recording medium  
20 storing the computer program as claimed in claim 10.